

ADH5 Rabbit mAb
Catalog # AP75035**Specification**

ADH5 Rabbit mAb - Product Information

Application	WB
Primary Accession	P11766
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	39724

ADH5 Rabbit mAb - Additional Information

Gene ID 128

Other Names

ADH5

Dilution

WB~~1/500-1/1000

Format

Liquid

ADH5 Rabbit mAb - Protein InformationName ADH5 ([HGNC:253](#))

Synonyms ADHX, FDH

Function

Catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione (PubMed:8460164). Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate (PubMed:16081420). Class-III ADH is remarkably ineffective in oxidizing ethanol (PubMed:8460164). Required for clearance of cellular formaldehyde, a cytotoxic and carcinogenic metabolite that induces DNA damage (PubMed:33355142). Also acts as a S-nitroso-glutathione reductase by catalyzing the NADH-dependent reduction of S-nitrosoglutathione, thereby regulating protein S-nitrosylation (By similarity).

Cellular Location

Cytoplasm.

ADH5 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADH5 Rabbit mAb - Images

